## **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of the Claims**

What is claimed is:

19. (Amended) A method of operating a <u>first</u> router in a communication network <u>comprising a plurality of routers</u>, said <u>first</u> router having a plurality of interfaces to at least one connection-oriented non-broadcast multiple access network, said method comprising the steps of:

assigning a local number to each of the interfaces;

grouping the interfaces into connectivity classes;

encoding information identifying the <u>local numbersinterfaces</u> and the connectivity classes into a link state packet; and

transmitting the link state packet to <u>at least one</u> other routers in the communication network.

- 20. (Previously Presented) The method of claim 19 wherein the link state packet is an OSPF link state advertisement.
- 21. (Amended) The method of claim 19 wherein the information identifying the <u>local</u> <u>numbersinterfaces</u> and the connectivity classes is encoded into opaque fields of the link state packet.
- 22. (Amended) The method of claim 19 wherein the <u>at least one connection-oriented</u> non-broadcast multiple access network is an ATM network.